

# Converting Colors

$Yxy(96.2299, 0.3314, 0.3594)$

Have a look what the booklet for  
Yxy(96.2299, 0.3314, 0.3594)  
contains.

<b>Yxy(96.4071, 0.3311, 0.3594)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(96.4071, 0.3311, 0.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFFDE
RGB	253, 253, 222
RGB Percent	99%, 99%, 87%
CMY	0.0078, 0.0078, 0.1295
CMYK	0.00, 0.00, 0.12, 0.01
HSL	60°, 89%, 93%
HSV	60°, 12%, 99%
XYZ	88.8158, 96.4071, 83.0217
YIQ	249.4660, 9.9510, -9.6410

# Conversions

## Conversions Part 2

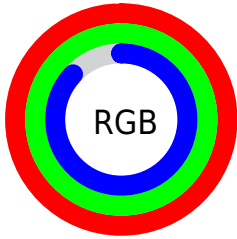
Format	Color
R <sub>Y</sub> B	222, 253, 222
Decimal	16645598
CIE Lab	98.59, -5.11, 14.86
CIE LCh	99, 15.716, 108.987
Yxy	96.4071, 0.3311, 0.3594
Android (android.graphics.Color)	4294835678 (0xFFFDDE)
YUV	249.4660, -13.5407, 3.0993
Hunter-Lab	98.1871, -10.3642, 18.5986

# Details

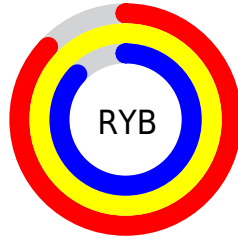
The Yxy color 96.4071, 0.3311, 0.3594 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 74.8546, 0.2932, 0.2967, and the grayscale version is 95.2440, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0056, 0.3346, 0.3652 is the 20% darker color. If you saturate the color by 10%, you get 95.1537, 0.3464, 0.3848, and if you desaturate by 10%, it is 97.8725, 0.3160, 0.3345.

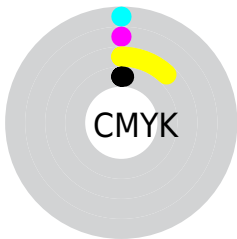
# Distribution



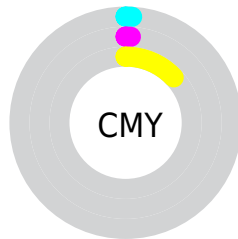
- Red (99%)
- Green (99%)
- Blue (87%)



- Red (87%)
- Yellow (99%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4071, 0.3311, 0.3594 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 96.4071, 0.3311, 0.3594 by changing the saturation by 10% instead.




 96.4071, 0.3311,  
0.3594

 96.4071, 0.3311,  
0.3594

548.6599, 0.3231,  
0.3459

 73.3067, 0.3328,  
0.3624


156.2071, 0.3284,  
0.3548

 54.2268, 0.3349,  
0.3659

193.6755, 0.3273,  
0.3530

 38.7830, 0.3374,  
0.3704


236.7020, 0.3264,  
0.3514

 26.5909, 0.3406,  
0.3761

285.6710, 0.3256,  
0.3501

 17.2662, 0.3448,  
0.3835

340.9669, 0.3249,  
0.3488

 10.4245, 0.3503,  
0.3937

402.9741, 0.3242,

 5.6813, 0.3581,

0.3478

0.4085

472.0770, 0.3236,  
0.3468

■ 2.6523, 0.3695,  
0.4316

■ 0.9530, 0.4499,  
0.5501

■ 96.4071, 0.3311,  
0.3594

■ 96.4071, 0.3311,  
0.3594

■ 95.1537, 0.3464,  
0.3848

■ 97.8725, 0.3160,  
0.3345

■ 94.0906, 0.3616,  
0.4098

■ 98.3609, 0.3116,  
0.3271

■ 93.2123, 0.3759,  
0.4336

■ 98.3621, 0.3116,  
0.3271


■ 92.5082, 0.3889,  
0.4551


■ 98.3634, 0.3116,  
0.3271

 91.9668, 0.4000,  
0.4734


 98.3647, 0.3116,  
0.3271

 91.5750, 0.4087,  
0.4877


 98.3660, 0.3116,  
0.3271


 91.3178, 0.4147,  
0.4977

 98.3673, 0.3116,  
0.3271

 91.1770, 0.4181,  
0.5033

 98.3686, 0.3116,  
0.3271

 91.1270, 0.4193,  
0.5053

 98.3699, 0.3116,  
0.3271

# Harmonies

## Analogous

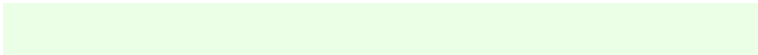
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4071, 0.3431, 0.3545



96.4071, 0.3311, 0.3594



96.4071, 0.3144, 0.3558

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.4071, 0.3311, 0.3594



96.4071, 0.2798, 0.3136



96.4071, 0.3276, 0.3143

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



96.4071, 0.3311, 0.3594



74.8546, 0.2932, 0.2967

# Split Complementary

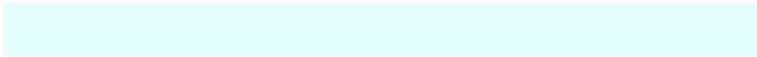
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4071, 0.3103, 0.3040



96.4071, 0.3311, 0.3594



96.4071, 0.2830, 0.3033

# Square

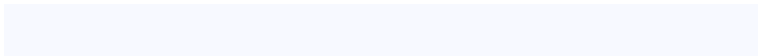
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



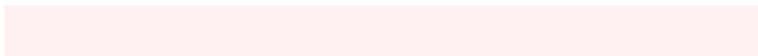
96.4071, 0.3311, 0.3594



96.4071, 0.2850, 0.3286



96.4071, 0.2941, 0.3000



96.4071, 0.3411, 0.3284

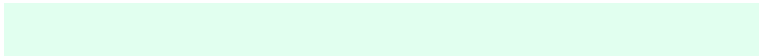


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.4071, 0.3311, 0.3594



96.4071, 0.3029, 0.3488



96.4071, 0.2941, 0.3000



96.4071, 0.3220, 0.3103

# Sweetspot

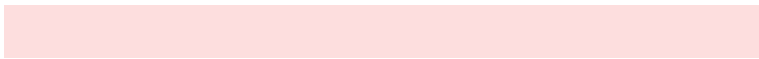
The Sweet Spot groups the original color and five complimentary colors.



96.4113, 0.3311, 0.3594



99.3598, 0.3186, 0.3388



78.3911, 0.3350, 0.3291



21.2421, 0.3198, 0.3406



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4113, 0.3311, 0.3594



97.7748, 0.3353, 0.3663



93.6187, 0.3210, 0.3604



21.0905, 0.3269, 0.3525



48.4728, 0.4193, 0.5053



4.7197, 0.4193, 0.5053



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74.8546, 0.2932, 0.2967



71.4319, 0.2884, 0.2887



77.4162, 0.3035, 0.2977



17.3780, 0.2978, 0.3044



3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 96.4071, 0.3311, 0.3594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

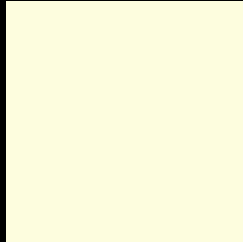
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4071, 0.3311, 0.3594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

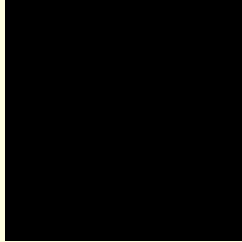
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.4071, 0.3311, 0.3594**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4071, 0.3311, 0.3594.

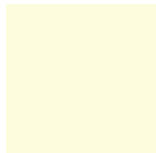


This preview shows how white text looks on a background with the Yxy color 96.4071, 0.3311, 0.3594.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.4071, 0.3311, 0.3594



### Protanopia

96.6052, 0.3212, 0.3387

### Deuteranopia

96.4085, 0.3171, 0.3309

## Tritanopia

96.4739, 0.3117, 0.3242

# Trichromacy



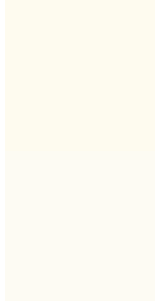
## Original Color

96.4071, 0.3311, 0.3594



## Protanomaly

96.6322, 0.3246, 0.3465



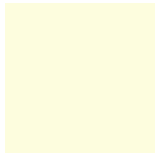
## Deuteranomaly

96.2972, 0.3217, 0.3406

## Tritanomaly

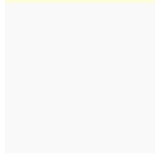
96.3481, 0.3187, 0.3367

# Monochromacy



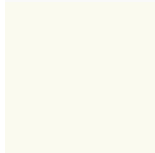
## Original Color

96.4071, 0.3311, 0.3594



## Achromatopsia

94.7307, 0.3127, 0.3290



## Achromatomaly

94.9272, 0.3192, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4071, 0.3311, 0.3594 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(253, 253, 222)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(253, 253, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4071, 0.3311, 0.3594 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 253, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(253, 253, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(253, 253, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 222);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4071, 0.3311, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(253,  
253, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor